

112. The composition of claim 111 wherein the vectors of said library of first vectors are suitable for selection of nucleic acid segments encoding the variable region binding domains.

113. The composition of claim 111 wherein the DNA molecules are vector molecules.

sub C8 } 114. The composition of claim 111 wherein said library of first vectors has been selected from a larger library of vectors before said mass transfer, said larger library of vectors containing nucleic acid segments wherein each segment encodes a pair of variable regions capable of associating with each other to form a binding domain.

115. The composition of claim 111 wherein the transferring in mass is performed without characterization of all individual library members.

116. The composition of claim 111 wherein the variable regions are antibody variable regions.

117. The composition of claim 111 wherein the variable regions are T cell receptor variable regions.

118. The composition of claim 111 wherein said variable regions are derived from any receptor or combination of receptors that contain variable regions.

sub C9 } 119. The composition of claim 111 wherein said variable regions are derived from one species and constant regions are derived from another species.

120. The composition of claim 111 wherein said polyclonal nucleic acid segments are capable of expressing polyclonal receptor proteins wherein each receptor protein contains a pair of variable regions.

121. A composition comprising polyclonal recombinant DNA molecules wherein each molecule encodes a full length receptor protein and wherein each molecule contains a nucleic acid segment that encodes a pair of variable regions which is contained in one of the receptor proteins wherein the variable regions of each pair associate with each other to form a binding domain wherein the totality of nucleic acid segments are diverse forming a library of polyclonal nucleic acid segments wherein the binding domain constitutes a part of the full-length receptor protein and wherein the polyclonal recombinant DNA molecules encode full-length receptor proteins where the full-length polyclonal receptor proteins comprise both target-specific and cross-reactive receptor proteins.

122. A composition according to claim 121 wherein the DNA molecules are vector molecules.

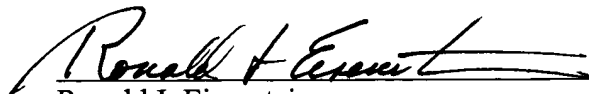
REMARKS

Applicant has amended the claims. The new claims are supported throughout the specification. See particularly the examples, pages 8 and 9, and pages 17 through 30. As such, these amendments do not constitute new matter and their entry is respectfully requested.

In view of the foregoing, Applicant submits that all claims are in condition for early and favorable allowance. Early and favorable action is requested.

Respectfully submitted,

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